INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016855

FIELDS SEARCHED Initimum documentation searched (classification system followed by classification symbols) Int.C1 F02D9/02, F02B25/22, F02D11/02	CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F02D9/02, F02B25/22, F02D11/02					
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See patent family annex. Decument services of consulted during the international search (name of data base and, where practicable, search terms used) Decuments consulted during the international search (name of data base and, where practicable, search terms used) Decuments consulted during the international search (name of data base and, where practicable, search terms used) Decuments consulted during the international search (name of data base and, where practicable, search terms used) Decuments consulted during the international search (name of data base and, where practicable, search terms used) Decument consulted during the international search (name of data base and, where practicable, search terms used) Decument consulted consulted (name of data base and, where practicable, search terms used) Decument consulted (name of data base and, where practicable, search terms used) Relevant to claim No.						
Category* Citation of document, with indication, where appropriate, of the relevant passages X X X X X X X X X X X X X	Vitsuyo Shinan Koho 1971–2005 Toroku Jitsuyo Shinan Koho 1994–2005					
Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 7P 2000-186559 % (Mitsubishi Heavy Industries, Ltd.), 04 July, 2000 (04.07.00), Claims 1, 2; Par. Nos. [0002], [0028], [0039] \tauteristic to [0041], [0047]; Figs. 1 to 3 (Family: none) Further documents are listed in the continuation of Box C. Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance. The claimed invention are after a pelleation or patent but published on or after the international filing date or priority claiming in the common or patent but published on or after the international filing date or priority claiming the invention considered to be of particular relevance. The claimed invention cannot be considered to priority date of another citation or other claim or other means of the common of the international filing date or priority date of another citation or other means of the common of the international filing date or priority date of another citation or other means of the common of the international filing date or priority date of the priority of the priority date of the priority date of the priority date of particular relevance, the claimed invention cannot be considered to involve an inventive some of particular relevance, the claimed invention cannot be considered to involve an inventive some of particular relevance, the claimed invention cannot be considered to involve an inventive some of particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of	lectronic data of	ase constitute all mg				
Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 7P 2000-186559 % (Mitsubishi Heavy Industries, Ltd.), 04 July, 2000 (04.07.00), Claims 1, 2; Par. Nos. [0002], [0028], [0039] \tauteristic to [0041], [0047]; Figs. 1 to 3 (Family: none) Further documents are listed in the continuation of Box C. Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance. The claimed invention are after a pelleation or patent but published on or after the international filing date or priority claiming in the common or patent but published on or after the international filing date or priority claiming the invention considered to be of particular relevance. The claimed invention cannot be considered to priority date of another citation or other claim or other means of the common of the international filing date or priority date of another citation or other means of the common of the international filing date or priority date of another citation or other means of the common of the international filing date or priority date of the priority of the priority date of the priority date of the priority date of particular relevance, the claimed invention cannot be considered to involve an inventive some of particular relevance, the claimed invention cannot be considered to involve an inventive some of particular relevance, the claimed invention cannot be considered to involve an inventive some of particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of the particular relevance, the claimed invention cannot be considered to involve an inventive some of	DOCUMEN	ITS CONSIDERED TO BE RELEVANT				
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Further documents are listed in the continuous of the service of		Ltd.), 04 July, 2000 (04.07.00), Claims 1, 2; Par. Nos. [0002], to [0041], [0047]; Figs. 1 to	[0028], [0039] .	1,2		
Special categories of cited documents: "A" Special categories of cited documents atter of the art which is not considered to the constitution of the cited to substitute of the cited to substitute of the constitution of the cited to establish the publication date of another citation or other special reson (as specified). "C" document efferring to an oral disclosure, use, exhibition or other means of the constitution of the international filing date. "O" document efferring to an oral disclosure, use, exhibition or other means of the constitution of the international filing date but later than the "p" document referring to an oral disclosure, use, exhibition or other means of the constitution of the international filing date but later than the "p" document published prior to the international search 11 April , 2005 (11.04.05) Date of the schule completion of the international search 11 April , 2005 (11.04.05) Name and malling address of the ISA/ Japanese Patent Office Exercised by the completion of the international search Telephone No.	Further	documents are listed in the continuation of Box C.				
Date of the actual completion of the ISA/ 11 April, 2005 (11.04.05) Name and mailing address of the ISA/ Japanese Patent Office Telephone No.	Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relavance." "E" earlier application or patent but published on or after the international filing date which may throw doubts on priority claim(s) or which is "L" document which may throw doubts on priority claim(s) or which is special research (as specified). "C" document referring to an oral disclosure, use, exhibition or other productions truthished prior to the international filing data but later than the		date and not in continet with its any the principle or theory underlying if "X" document of particular relevance; if considered novel or cannot be cor- step when the document is taken al- "Y" document of particular relevance; if considered to involve an inventi combined with one or more other s being obylous to a person skilled in	te invention te claimed invention cannot be saidered to involve an inventive one the claimed invention cannot be to step when the document is uch documents, such combination the art		
Name and mailing address of the 1970 Japanese Patent Office Telephone No. Telephone No.	Date of the ac	tual completion of the international search oril, 2005 (11.04.05)	Date of mailing of the international 26 April, 2005 (1	search report L6.04.05)		
Faccimile No.	Name and ma Japar	illing address of the ISA/ lese Patent Office				

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/016855

	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
Box No. II					
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1.					
becaus	s Nos.: se they relate to subject matter not required to be searched by this Authority, namely:				
2. Claimbecaus extent	is Nos.: se they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:				
3. Claim	ns Nos.: use they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This Internation	onal Searching Authority found multiple inventions in this international application, as follows:				
There is no special technical feature common to the inventions of claims 1 and 3.					
2. As a any	all required additional search fees were timely paid by the applicant, this international search report covers all searchable ms. all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of additional fee. only some of the required additional search fees were timely paid by the applicant, this international search report covers y those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1, 2					
Remark on	Protest				

国際調査報告

発明の瓜する分野の分類(国際特許分類(IPC))

Int.Cl.7 F02D9/02, F02B25/22, F02D11/02

B. 調査を行った分野

調査を行った最小限費料(国際特許分類(IPC))

Int.CL7 F02D9/02, F02B25/22, F02D11/02

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 日本国公開実用新案公報 日本国実用新案登録公報 日本国登録実用新案公報 1922-1996年 1971-2005年

1996-2005年 1994-2005年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

C. 関連すると認められる文献 関連する				
引用文献の	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号		
<u>カテゴリー*</u> X	JP 2000-186559 A (三菱重工業株式会社) 2000.07.04,【請求項1],【請求項2], 段落【0002],【0028],【0039]-【0041],【0047],第1-3図,(ファミリーなし)	1, 2		
1 7 開ルマロ地を発照				

C欄の続きにも文献が列挙されている。

┌ パテントファミリーに関する別紙を参照。

- * 引用文献のカテゴリー
- 「E」国際出願日前の出願または特許であるが、国際出願日
- 以後に公安されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用す る文献 (理由を付す)
- 「O」ロ頭による開示、使用、展示等に言及する文献 「P」国際出願日前で、かつ優先権の主張の基礎となる出願
- の日の後に公表された文献 「A」特に関連のある文献ではなく、一般的技術水準を示す 「T」国際出願日又は優先日後に公表された文献であって 出願と矛盾するものではなく、発明の原理又は理論 の理解のために引用するもの
 - 「X」特に関連のある文献であって、当該文献のみで発明 の新規性又は進歩性がないと考えられるもの
 - 「Y」特に関連のある文献であって、当該文献と他の1以 上の文献との、当業者にとって自明である組合せに よって進歩性がないと考えられるもの
 - 「&」同一パテントファミリー文献

国際調査報告の発送日 26, 04, 2005 国際調査を完了した日 11. 04. 2005 3326 特許庁審査官(権限のある職員) 国際調査機関の名称及びあて先 日本国特許庁 (ISA/JP) 藤井 眞吾 郵便番号100-8915 電話番号 03-3581-1101 内線 3355 東京都千代田区霞が関三丁目 4番3号

国際調査報告	国際出願番号 アピーノブイ 2004/01000				
第I間 請求の範囲の一部の調査ができないときの意見(第1ペー 法第8条第3項(PCT17条(2)(a))の規定により、この国際調査 成しなかった。	ジの2の続き) E報告は次の理由により請求の範囲の一部について作				
1. 「 舘攻の範囲	ぶ調査をすることを要しない対象に係るものである。				
2. 「 請求の範囲 は、有意義な国際調査を ない国際出頭の部分に係るものである。つまり、	をすることができる程度まで所定の要件を満たしてい				
3. 「 静水の範囲 は、従風静水の範囲で 従って記載されていない。	あってPCT規則6.4(a)の第2文及び第3文の規定に				
第Ⅲ欄 発明の単一性が欠如しているときの意見 (第1ページの3の続き)					
次に述べるようにこの国際出類に二以上の発明があるとこの国際 請求の範囲1及び3に係る発明に共通の特別なお	祭調査機関は認めた。				

- 1. 「 出題人が必要な追加調査手数料をすべて期間内に納付したので、この国際調査報告は、すべての調査可能な請求 の範囲について作成した。
- 追加調査手数料を要求するまでもなく、すべての調査可能な請求の範囲について調査することができたので、追加調査手数料の納付を求めなかった。
- 3. 出願人が必要な追加調査手数料を一部のみしか期間内に納付しなかったので、この国際閥査報告は、手数料の納付のあった次の請求の範囲のみについて作成した。
- 4. ▼ 出願人が必要な追加調査手数料を期間内に納付しなかったので、この国際調査報告は、請求の範囲の最初に配載されている発明に係る状の請求の範囲について作成した。

請求の範囲1、2

追加調査手数料の異議の申立てに関する注意

「追加調査手数料の納付と共に出願人から異議申立てがあった。

「追加調査手数料の納付と共に出願人から異議申立てがなかった。

様式PCT/ISA/210 (第1ページの統葉 (2)) (2004年1月)